PASS 3 Calibration Certification

Customer Name				Contract/P.O. No.		
ABC Coke						
Application/Service	1				Tag No.	
Light Oil Cor	ntrol Box				LOCB-CV	
Manufactuer Model No.					Serial No.	
Fisher		n/a			n/a	
Instrument			Х			
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	⊟% of Readinູເ	9	
		Input Sigr	al Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear	Control Valv	е
		Output Sig	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
0	100	Per	cent	Linear		
		nstrument	Condition	n as Found		
			Actual			
Calibration	A -41 l	Expected	Output as	% Error As	Actual Output	0/ Error As Loft
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	4	0	0.0	0.000	0.0	0.000
25%	8	25	20.0	-5.000	20.0	-5.000
50%	12	50	45.0	-5.000	45.0	-5.000
75%	16	75	70.0	-5.000	70.0	-5.000
100%	20	100	95.0	-5.000	95.0	-5.000
		(Comments	8		
		Calibratio	n Equipm	ent Used		
Calibrator		ription		odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	orator	725		On File	On File
Output Device	Local Disp	lay				
			Approvals	6		
Hours	Date Work Perfo		Accepted By	Su	Date Signed	a
1.0	11/24	/2008	Vac C		11/30/0	7
PASS Signature	nados (Customer Signa	ture		
JOHN HO	NKA CAN					



COPY SENT

Tested By: SEPREY CHRISTRON Date Tested: 1/42-09	
Tested By: Segmey Commer Box Date Tested: 1/12-09 Test Fluid: Water M Air Other	Set Pressure 9 OZ FeWO in Hg PSI Set Vacuum .75 OZ FeWO in Hg PSI
TEST ONLY CLEANED OF CHARLET BON Date Tested: 1/42-09	Set Pressure 9 OZ FeWO in Hg PSI Set Vacuum .75 OZ FeWO in Hg PSI
TEST ONLY CLEANED OC Tested By: JEANEY CHARLET BON	Set Pressure 9 OZ Set OZ in Hg PSI
☐ TEST ONLY ☐ CLEANED ☐ C	
	WELLWOL THE WOOD IED TO LIEU TO THE TOTAL THE TOTAL TO TH
Work Done on Valve:	OVERHAUL ADJUSTED OTHER
SPRING	OTHER
PRESSURE DIAPHRAGM 51/2 x 0.30	VACUUM DIAPHRAGM 5 1/16 × 0.30
BODY	HOOD
SEATS	SCREEN
GUIDE POST	VACUUM PALET
CENTER GUIDE	PRESSURE PALLET
PARTS REPLACED MATERIAL	PARTS REPLACED MATERIAL
	OG CONTACT: Paul 361-4635
, , :-	in Hg PSI Leak O OZ TWO in Hg PSI
Lift 9 OZ in WO	
(PRESSURE TEST)	(VACUUM TEST)
ACTUAL TEST RESULTS AS RECEIVED:	
☐ Spring Broken ☐ Stuck ☐ B	_
	roded CLEAN PLUGGED
CONDITION OF VALVE WHEN RECEIVED IN	DMPLETED BY REPAIR TECH) - MARK % PLUGGED 1 SHOP: □ 0% □ 25% □ 50% □ 75% □ 100%
Test Complete Valve Using: Water	
	Date Recorded: 11-12-09
Set Pressure OZ (TWO in	Set vacuum
	Bonnet Material OZ 6WO in Hg PSI Set Vacuum 175 OZ 6WO in Hg PSI
Size 3" Trim Material 518 - TEFLON	Hood Material 31696
Manufacturer VAREC	Body Material 3045/5
Equipment No. 1/A	Serial Number
PSV Number	Model Number 2010
Valve Information:	Physical Location
Work Required - Pretest & Condition R	
PRESSURE VACUUM VAL	VE OVERHAUL DATA SHEET
	- War
v rest & riepair	FORM PVA REV 1 Revised 03/24/2008
Test & Repair	P.O. #
Test & Repair if Needed	
Reset Reconditioned Test & Repair if Needed	Plant TUSCAL005A)7AL Job # 1-50091976
Test & Repair if Needed	



R&R Quote	Owner PROJECT AUTOMOTION Date 11-18-07
Reset Reconditioned	
Test & Repair if Needed	P.O. #
Test & Repair	FORM PVA REV 1 Revised 03/24/2008
PRESSURE VACUUM VA	LVE OVERHAUL DATA SHEET
Work Required - Pretest & Condition I	Received ☐ New ☐ Good ☐ Fair ☐ Rough
Valve Information:	Physical Location
PSV Number	Model Number 2010
Equipment NoX//A	
Manufacturer VAREC	
Size 2"	Hood Material 5/5
Trim Material SIS	Bonnet Material
	in Hg PSI Set Vacuum \\S OZ in \(\OZ \) in Hg PSI
	Date Recorded: \\-B-09
Test Complete Valve Using: Water	
VALVE OVERHAUL DATA (TO BE C	OMPLETED BY REPAIR TECH) - MARK % PLUGGED
	N SHOP: ☑ 0% ☐ 25% ☐ 50% ☐ 75% ☐ 100%
☐ Leaking ☐ Corroded ☐	0. = 111
☐ Spring Broken ☐ Stuck ☐	Binding
ACTUAL TEST RESULTS AS RECEIVED:	
(PRESSURE TEST)	(VACUUM TEST)
LiftOZ in WC	
LeakOZ in WC	C in Hg PSI Leak OZ in WC in Hg PSI
REMARKS: Regid: 11-30-0	7 Make New Dup. TAg.
08-08 1-M12012	, , , ,
PARTS REPLACED MATERIAL	PARTS REPLACED MATERIAL
CENTER GUIDE	PRESSURE PALLET
GUIDE POST	VACUUM PALET
SEATS	SCREEN
BODY	HOOD
PRESSURE DIAPHRAGM 4" x 0,20	VACUUM DIAPHRAGM 4"x 0.10
SPRING	OTHER
Work Done on Valve:	
☐ TEST ONLY ☐ CLEANED ☐	OVERHAUL ADJUSTED OTHER
Tested By: JEHREY CHARETTON	Set Pressure 9 OZ MWO in Hg PSI
Date Tested: _// -/9 - 69	Set VacuumOZOZ OZ OZ OZ OX OX OX OX OX OX OX
Test Fluid: 🖸 Water 🗹 Air 🔲 Other	Pressure Gauge S/N _wCVacuum Gauge S/N _wC
REMARKS:	
	(A Com ON MACO



		11 12 70
R&R Quote	Owner PROJECT AUTOMOTION	Date
Reset Reconditioned	Plant TUSCALDOSA, AL.	Job # <u>4-5003-001</u>
Test & Repair if Needed	P.O. #	
Test & Repair	FORM PVA REV 1 Revised 03/24/2008	
•		
PRESSURE VACUUM V	ALVE OVERHAUL DATA SH	EET
Work Required - Pretest & Condition	on Received 🔲 New 🖂 Good 🔲 F	air 🗹 Rough
Valve Information:	Physical Location	}
PSV Number PVRVIG	Model Number <u>201</u>	D
Equipment No/A	Serial Number_/_	A
Manufacturer VAREC	Body Material Sk	5
Size Call	Hood Material — S/S	<u> </u>
Trim Material	Bonnet Material	- OZ) in WC in Hg PSI
Sat Pressure Q OZ (in WC	in Hg PSI Set Vacuum 175	2
Becorded By: A·M·	Date Recorded: 11-18-09	
Task Complete Volvo Heing: Water	l⊽ Air □ Other	
VALVE OVERHALL DATA (TO BE	COMPLETED BY REPAIR TECH) - WAI	RK % PLUGGED
CONDITION OF VALVE WHEN RECEIVE	ED IN SHOP: ☐ 0% ☑ 25% ☐ 50%	□ 75% □ 100%
☐ Leaking ☐ Corroded	☐ Froded CLEAN	1 2 3 3 3 3
☐ Spring Broken ☐ Stuck	☐ Binding ☐ Other	
ACTUAL TEST RESULTS AS RECEIVED	D:	
(DDECCLIDE TEST)	(VACUUM TEST)	
07 ir	TWC in Hg PSI Lift	OZ in WC in Hg PSI
Leak OZ ir	n WC in Hg PSI Leak	OZ in WC in Hg PSI
REMARKS: Regid: 11-30	-09 Make NEW DIAP. TAG.	
DU-UJ 3-1119019		
PARTS REPLACED MATERIAL	TAITIO TIEL EXTERN	IATERIAL
CENTER GUIDE	PRESSURE PALLET _	
GUIDE POST	VACUUM PALET	
SEATS	SCREEN _	
RODY	HOOD _	8 11 11 11 A . A . (1)
PRESSURE DIAPHRAGM 8 4 400)	LO.030 U VACUUM DIAPHRAGM_	814 % X 0,030 D
SPRING	OTHER _	3119
Work Done on Valve:	_	
☐ TEST ONLY ☐ CLEANED	☐ OVERHAUL ☐ ADJUSTED ☐ OTHE	
Tested By: Dale Cidale	Set Pressure	OZ (n WC) in Hg PSI
Date Tested: 11-20-09	Set Vacuum _0 . 75	OZ in WC in Hg PSI
Test Fluid: Water Air Othe	er Pressure Gauge S/N WC Vacuum	Gauge S/N _ WC
REMARKS:		
		A Com a DA MA
		(HALLOWN YILLKI)



/				-		
R&R	Quote	Owner PRD	sect Automat	ON	Date	8-03
Reset	Reconditioned	Plant Tus	CALONSA, AL.		Job # 3-500	AROO1
Test & Repa	air if Needed	P.O. #				
Test & Repa	air	FORM PVA RE	EV 1 Revised 03/24/2008			
PRESSURI	E VACUUM VA	LVE OVE	RHAUL DATA	SHEE	T	
Work Required	- Pretest & Condition	Received	☐ New ☐ Good	☑ Fair	☐ Rough	
Valve Informati			Physical Location			
PSV Number	PVRV-2		Model Number			
	MIA		Serial Number	NIA		
Manufacturer	VAREC		Body Material	515		
Size _	4117611		Hood Material			
	SIS		Bonnet Material		_	
	9 oz (n Wo	in Hg PSI	Set Vacuum	0.45	OZ) in WC	in Hg PSI
	A.M.					
	e Using:		☐ Other			
VALVE OVERH	AUL DATA (TO BE		BY REPAIR TECH)	- MARK	% PLUGGED	
	ALVE WHEN RECEIVED					
		Eroded CLEA	Ν		PLUGGED	
	☐ Stuck ☐	Binding	Other		_	
	SULTS AS RECEIVED:		·			
(PRESSURE TES			(VACUUM TEST)			
•	OZ in W	/C in Hg PSI	Lift		_ OZ in WC	in Hg PSI
Leak	OZ in W	_				
	0-06-11-30-0					-
09.08 3	14					
PARTS REPLACE	D MATERIAL		PARTS REPLACED	MATE	RIAL	
CENTER GUIDE	2		PRESSURE PALLE	Τ		
GUIDE POST			VACUUM PALET			
SEATS			SCREEN			
BODY			HOOD			
PRESSURE DIAPI	HRAGM		VACUUM DIAPHRA	GM		
SPRING	7 - 77		OTHER			
Work Done on V	alve:					
TEST ONLY	CLEANED X	OVERHAUL	☐ ADJUSTED ☐	OTHER		
Tested By: A	dam Bolen	Set Pres	ssure <u>9</u>		OZ (in WC) in	Hg PSI
	- 19 - 09	Set Vac	ouum <u>0.75</u>		in WC ir	Hg PSI
	er 🛮 Air 🗌 Other	Pressure Gaug	e S/NWCVac	uum Gaug	e S/N _ W <	
REMARKS:						
				/ /	1	
				(1	1200000	110010



R&R Quote	Owner PROSPOT AUTOMOTION	U Date11-18-09
Reset Reconditioned	Plant TUSCALOOSA, AL.	10h #2-50020c0
Test & Repair if Needed	P.O. #	000 #2 <u>2 200 100 1</u>
Test & Repair		
DDECCUDE VACUUM V		
A A	ALVE OVERHAUL DATA S	
Work Required - Pretest & Condition] Fair 🔯 Rough
Valve Information:	Physical Location	
PSV Number WRV-363	Model Number <u>AC</u>	010
Equipment No		
Manufacturer VAREC	71.1	
Size 311	Hood Material	2
Trim Material	Bonnet Material	
Set Pressure OZ WO	in Hg PSI Set Vacuum	75 OZ in WC in Hg PSI
	Date Recorded:*6 -0	9
Test Complete Valve Using: Water		
VALVE OVERHAUL DATA (TO BE	COMPLETED BY REPAIR TECH) - M	IARK % PLUGGED
CONDITION OF VALVE WHEN RECEIVED	IN SHOP: ☐ 0% ☐ 25% ☐ 50%	6 □ 75% □ 100%
Leaking Corroded	Eroded CLEAN	▶ PLUGGED
☐ Spring Broken ☐ Stuck ☐	Binding	
ACTUAL TEST RESULTS AS RECEIVED:		
(PRESSURE TEST)	(VACUUM TEST) .,	
LiftOZ in V	VC in Hg PSI Lift	OZ in WC in Ha PSI
Leak OZ in V	VC in Hor PSI Leak	O7 in MC in Ha DCI
REMARKS: Ready 11-30-	Da Make New Dup. T	AC.
07.07		- 23
1-1-1-1		(1 () () () () () () () () () (
PARTS REPLACED MATERIAL	PARTS REPLACED	MATERIAL
CENTER GUIDE	PRESSURE PALLET	
GUIDE POST	VACUUM PALET	
SEATS	SCREEN, VACOUM	5/5
BODY	HOOD	.1
PRESSURE DIAPHRAGM 5% 00	VACUUM DIAPHRAGM	PRY 59/6'0DX,020 @
SPRING	OTHER	
Work Done on Valve:		7
	OVERHAUL ADJUSTED OTH	KER
Tested By: J. Winchester	Set Pressure 9	OZ (nWC) in Hg PSI
Date Tested: _//- /9-09	Set Vacuum 0.75	
Test Fluid: ☐ Water ☑ Air ☐ Other	Pressure Gauge S/N WC Vacuum	
REMARKS:	vacuum	dauge 3/19
		•
		(1) (00000 (00000)

R&R Quote	Owner PROJECT AUTOMOLION Date 12-03-09
Reset Reconditioned F	Plant TUSCALOOSIA, AL. Job #3-5000088
N	P.O. #
Test & Repair F	ORM PVA REV 1 Revised 03/24/2008
PRESSURE VACUUM VALV	E OVERHAUL DATA SHEET
Work Required - Pretest & Condition Reco	eived New Good Fair Rough
Valve Information:	Physical Location
PSV Number	Model Number 2010
Equipment NoN/A	Serial Number X/A
Manufacturer VAREC.	Body Material 5/5
Size 3"	Hood Material 5/5
Trim Material 515	Bonnet Material
Set Pressure 8,5 OZ (NW) in Hg	
Recorded By: A·M	Date Recorded: 12-03:79
Test Complete Valve Using: Water	
_	PLETED BY REPAIR TECH) - MARK % PLUGGED
CONDITION OF VALVE WHEN RECEIVED IN SH	
☑ Leaking ☐ Corroded ☐ Erod	CLEAN
☐ Spring Broken ☐ Stuck ☐ Bindi	
ACTUAL TEST RESULTS AS RECEIVED:	y
(PRESSURE TEST)	(VACIIIM TEST)
(PRESSURE TEST) Lift \$\forall 5 \text{O7 in We. in}	(VACUUM TEST)
Lift 8.5 OZ in We in	Hg PSI Lift 1.0 OZ in Wo in Hg PSI
Lift 8.5 OZ in WC in Leak OZ in WC in	Hg PSI Lift I.O OZ in Hg PSI Hg PSI Leak OZ in Hg PSI
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-1100000000000000000000000000000000000	Hg PSI Lift 1.0 OZ in WC in Hg PSI Hg PSI Leak OZ in WC in Hg PSI
Lift 8.5 OZ in We in Leak OZ in We in REMARKS: 4-1178078 D7-08	Hg PSI Lift I.O OZ in Hg PSI Hg PSI Leak OZ in Hg PSI
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-08	Hg PSI Lift 1.0 OZ in WC in Hg PSI Hg PSI Leak OZ in WC in Hg PSI
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-08 PARTS REPLACED MATERIAL	Hg PSI Lift 1.0 OZ in WC in Hg PSI Hg PSI Leak OZ in WC in Hg PSI PARTS REPLACED MATERIAL
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-08 PARTS REPLACED MATERIAL CENTER GUIDE	Hg PSI Lift 1.0 OZ in WC in Hg PSI Hg PSI Leak OZ in WC in Hg PSI PARTS REPLACED MATERIAL PRESSURE PALLET
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST	Hg PSI Lift 1.0 OZ in WC in Hg PSI Hg PSI Leak OZ in WC in Hg PSI PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-00 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS	Hg PSI Lift 1.0 OZ in WC in Hg PSI Hg PSI Leak OZ in WC in Hg PSI PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-00 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-00 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 ^{Inch} 0/0	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD VACUUM DIAPHRAGM 5/p. 0/2 in WC in Hg PSI in Hg PS
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-00 D7-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 10-010 SPRING	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10000 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 1000 SPRING Work Done on Valve:	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD VACUUM DIAPHRAGM OTHER
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10-00 D7-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 0/0 SPRING Work Done on Valve: TEST ONLY CLEANED OVER	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD VACUUM DIAPHRAGM OTHER RHAUL ADJUSTED OTHER
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-100000 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 0/0 SPRING Work Done on Valve: Tested By: Linchustus	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD VACUUM DIAPHRAGM OTHER RHAUL ADJUSTED OTHER Set Pressure S.S. OZ (in We in Hg PSI
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-100000 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 0/0 SPRING Work Done on Valve: Tested By: 1. Winchester Date Tested:	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD VACUUM DIAPHRAGM OTHER RHAUL ADJUSTED OTHER Set Pressure S.S. OZ in WC in Hg PSI Set Vacuum 1.0 OZ in WC in Hg PSI
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-10000 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 0/0 SPRING Work Done on Valve: Tested By: Linchustus Date Tested: Air Other Pres	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD VACUUM DIAPHRAGM OTHER RHAUL ADJUSTED OTHER Set Pressure S.S. OZ (in We in Hg PSI
Lift 8.5 OZ in WC in Leak OZ in WC in REMARKS: 4-100000 DD-08 PARTS REPLACED MATERIAL CENTER GUIDE GUIDE POST SEATS BODY PRESSURE DIAPHRAGM 5/2 0/0 SPRING Work Done on Valve: Tested By: 1. Winchester Date Tested:	PARTS REPLACED MATERIAL PRESSURE PALLET VACUUM PALET SCREEN HOOD VACUUM DIAPHRAGM OTHER RHAUL ADJUSTED OTHER Set Pressure S.S. OZ in WC in Hg PSI Set Vacuum 1.0 OZ in WC in Hg PSI





		X
R&R Quote	Owner PROTECT ALTOMOTION	Date 12-03-09
Reset Reconditioned	Plant TUSCALOOSA, AL.	Job #2-50092088
Test & Repair if Needed	P.O. #	
Test & Repair	FORM PVA REV 1 Revised 03/24/2008	
PRESSURE VACUUM VAL	VE OVERHAUL DATA SHEE	Т
Work Required - Pretest & Condition Re	eceived New Good Fair	☐ Rough
Valve Information:	Physical Location	
PSV Number PVRV-HOLD		
Equipment No	Serial Number Clo 1631	
Manufacturer VAREC	Body Material ALLAMIA	lum
Size LINXLON	Hood Material Aumin	
Trim Material ALLMINUM	Bonnet Material	
Set Pressure Olo Os in WC in	Hg PSI Set Vacuum Dio	OZ)in WC in Hg PSI
Recorded By: A·M·	Date Recorded: \\\ \lambda - 0.3 \cdot \text{O}	-
Test Complete Valve Using:	☐ Air ☐ Other	
VALVE OVERHAUL DATA (TO BE CO	MPLETED BY REPAIR TECH) - MARK 🤉	% PLUGGED
CONDITION OF VALVE WHEN RECEIVED IN		_
☑ Leaking ☐ Corroded ☐ E	roded CLEAN	PLUGGED
☐ Spring Broken ☐ Stuck ☐ Bi	nding Other	_
ACTUAL TEST RESULTS AS RECEIVED:		6
(PRESSURE TEST)	(VACUUM TEST)	
	in Hg PSI Lift O.C	in WC in Hg PSI
	in Hg PSI Leak 0.5	in WC in Hg PSI
REMARKS: 4- M81763 09-08		
K60,9:19-10-01	The state of the s	
PARTS REPLACED MATERIAL	PARTS REPLACED MATER	RIAL
CENTER GUIDE	PRESSURE PALLET	
GUIDE POST	VACUUM PALET	
SEATS	SCREEN	
BODY		
PRESSURE DIAPHRAGM	VACUUM DIAPHRAGM	74
SPRING	OTHER	
Work Done on Valve:	*	
☐ TEST ONLY DECLEANED OF	VERHAUL 🗌 ADJUSTED 🔲 OTHER	
Tested By:	Set Pressure(in WC in Hg PSI
Date Tested: 0 12-7-69	Set VacuumO.6	in WC in Hg PSI
Test Fluid: ☐ Water Æ Air ☐ Other P	ressure Gauge S/N/Vacuum Gauge	s/N_6:1
REMARKS:		A
		CONTIL WORLD



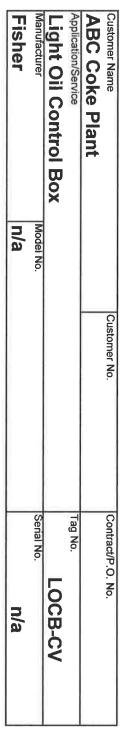
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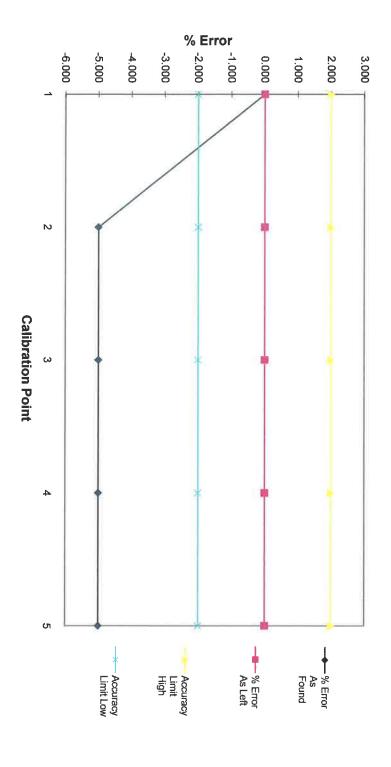
			20.*
R&R Quote	Owner C	Naitomotian Toaz	Date 12-03-09
Reset Reconditioned	Plant TIS	CALOOSA, AL.	Job #1-50092088
Test & Repair if Needed	P.O. #		
Test & Repair	FORM PVA RE	V 1 Revised 03/24/2008	
	LVE OVE	NIALU DATA OLI	, No. 100 and
PRESSURE VACUUM VA			
Work Required - Pretest & Condition	Received [☐ New ☐ Good ☐ F	Fair 🛮 Rough
Valve Information:			
PSV Number OTN PVRV		Model Number <u>201</u>	
Equipment No		Serial NumberX//	
Manufacturer VAREC		Body Material ALum	
Size		Hood Material ALLAM	i Nu M
Trim Material ALUMINUM		Bonnet Material	(22): 14(2): 11, 221
Set Pressure OZ (in WO	in Hg PSI	Set VacuumO_H	5 OZ in WC in Hg PSI
Recorded By: A·M·	Date	Recorded: <u>12-03-09</u>	
Test Complete Valve Using: Water	☐ Air	☐ Other	
VALVE OVERHAUL DATA (TO BE C	COMPLETED E	Y REPAIR TECH) - MAI	RK % PLUGGED
CONDITION OF VALVE WHEN RECEIVED	IN SHOP : □ 0	% ☐ 25% ☐ 50%	☐ 75% ☐ 100%
	Eroded CLEA	V	PLUGGED
☐ Spring Broken ☐ Stuck ☐	Binding [Other	
ACTUAL TEST RESULTS AS RECEIVED:			
(PRESSURE TEST)		(VACUUM TEST)	
Lift 9 OZ WW	in Hg PSI	Lift	(OZ) in WC in Hg PSI
Leak OZ WW			
REMARKS: 5-M81643-09			
Reard: 12-10-09			
PARTS REPLACED MATERIAL		PARTS REPLACED MA	ATERIAL
CENTER GUIDE		PRESSURE PALLET	
GUIDE POST		VACUUM PALET	
SEATS		SCREEN	×
BODY		HOOD	
PRESSURE DIAPHRAGM 1-93/4 x.0	30	VACUUM DIAPHRAGM	1-93/4×.030
SPRING		OTHER	
Work Done on Valve:		_	
☐ TEST ONLY ☐ CLEANED ☐	OVERHAUL [ADJUSTED OTHE	R
Tested By: SETTLEY GALLETTION		sure	OZ (n WO in Hg PSI
Date Tested: <u>/2-7-69</u>		uum	OZ) in WC in Hg PSI
Test Fluid: Water Air Other			
REMARKS:			
The state of the s			(TMXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
			



A DC Colco	Dlant				Contract/P.O. No.		
ABC Coke					Tag No.		
Light Oil Cor					LOCB-CV		
Manufactuer Model No.					Serial No.		
Fisher		n/a			n/a		
Instrument			X				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer	
		Plus	Minus	☑ % of Span			
Accuracy		2.0	2.0	☐ % of Reading	3		
Input Signal Range and Units							
Lo Range Value	Hi Range Value	Units		Characteristic	Special		
4	20	MA	DC	Linear	Control Valv	re	
		Dutput Sig	nal Range	e and Units			
Lo Range Value	Hi Range Value	Units		Characteristic	Special		
0	100	Per	cent	Linear			
		nstrument	Condition	n as Found			
0.171			Actual	0/ = 4			
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left	
0%	4	0	0.0	0.000	0.0	0.000	
25%	8	25	20.0	-5.000	25.0	0.000	
50%	12	50	45.0	-5.000	50.0	0.000	
75%	16	75	70.0	-5.000	75.0	0.000	
100%	20	100	95.0	-5.000	100.0	0.000	
			Comments	5			
		Calibration	n Equipm	ent Used			
0 17						NUCT O 4 N	
Calibrator	Descr			odel No.	Instrument ID	NIST Cert. No.	
Input Device	Fluke Calib		725		On File	On File	
Output Device	Local Displ	ay					
			Approvals	.			
Hours	Date Work Perfo		Accepted By		Date Signed		
1.0 PASS Signature	10/12	/2009	Customer Signa	turo	L		
_	ገወተገለና		Customer Signa	iui o			
JUSLIN SIL	JOHN HORTON						

PASS 3

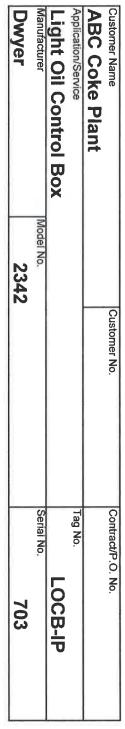


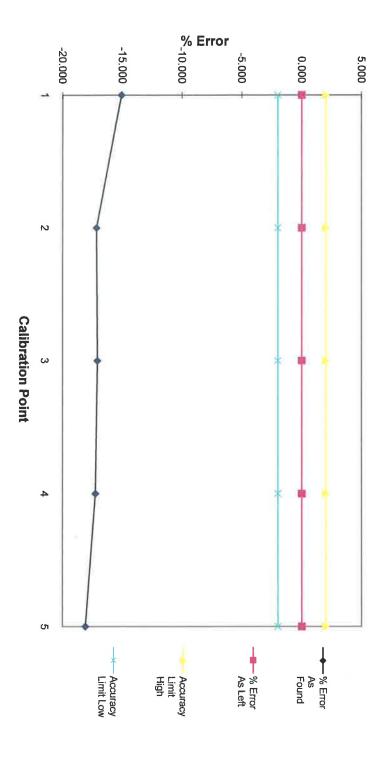




Customer Name					Contract/P.O. No.	
ABC Coke						
Application/Service					Tag No.	
Light Oil Cor	ntrol Box	Model No.			LOCB-IP Serial No.	
Dwyer		2342		i i	703	
Instrument	Х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading)	
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
4	20	MA	DC	Linear		
		Output Sig	nal Range	e and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
3	15	PS	SIG	Linear		
	1	nstrument	Condition	n as Found		
_			Actual			
Calibration	A street lasses	Expected	Output as	% Error As	Actual Output	% Error As Left
Point	Actual Input	Output	Found	Found	as Left	
0%	4	3	1.190	-15.083	3.000	0.000
25%	8	6	3.940	-17.167	6.000	0.000
50%	12	9	6.950	-17.083	9.000	0.000
75%	16	12	9.930	-17.250	12.000	0.000
100%	20	15	12.830	-18.083	15.000	0.000
			Comments	S		
						~
		Calibratio	n Equipm	ent Used		
Calibrator		ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	orator	725		On File	On File
Output Device	Fluke Calib	orator	725		On File	On File
			Approvals	6		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	10/12	/2009	0.11	A	L	
PASS 3 Signature	ገወሮጋልና		Customer Signa	ture		
JUHN HO	JOHN HORTON					



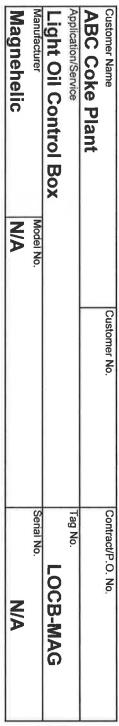


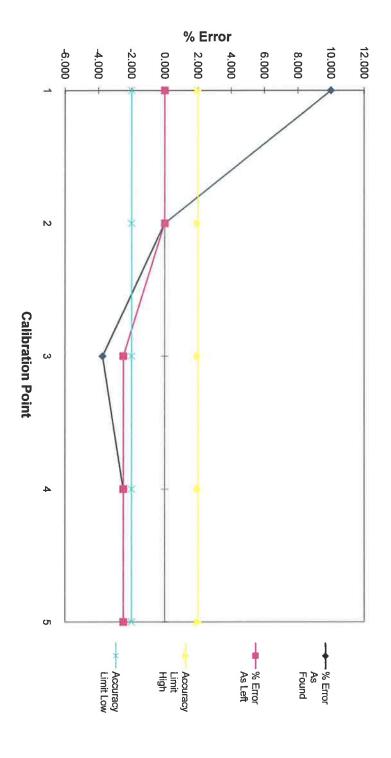


PASS 3 Calibration Certification

Customer Name					Contract/P.O. No.	
ABC Coke	Plant					
Application/Service	9				Tag No.	
Light Oil Cor	ntrol Box				LOCB-MAG	
Manufactuer Model No.					Serial No.	
Magnehelic		N/A			N/A	
Instrument		Х				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading	9	
		Input Sign	al Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
10	50	INF	120	Linear		
		Output Sig	nal Range	e and Units		=======================================
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
10	50	INF	120	Linear		
		nstrument	Condition	n as Found		
			Actual			
Calibration		Expected	Output as	% Error As	Actual Output	
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	10	10	10	10.000	10	0.000
25%	20	20	20	0.000	20	0.000
50%	30	30	29	-3.750	29	-2.500
75%	40	40	39	-2.500	39	-2.500
100%	50	50	49	-2.500	49	-2.500
		(Comments	S		
		Calibratio	n Equipm	ent Used		
0 - 171- 1			ja 10	1-1-1-	1	NUCT C
Calibrator		ription		odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		On File	On File
Output Device	Local					
			Approvals	S		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	11/24	/2008	Cuete		l	
PASS 3 Signature	ገወሮገልና		Customer Signa	ture		
JOHN HORTON						





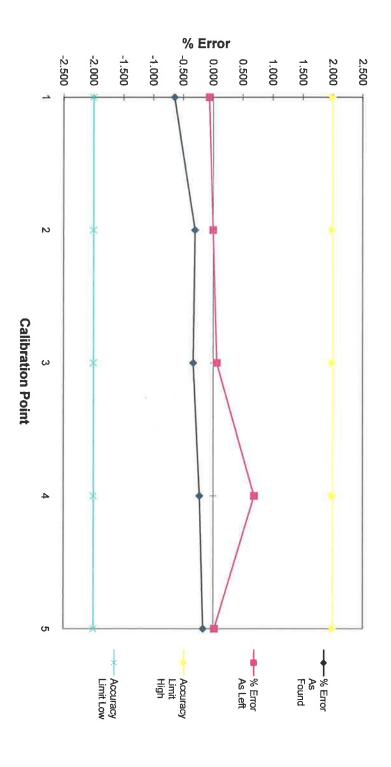




Customer Name	Dlant				Contract/P.O. No.	
ABC Coke					Tag No.	
Light Oil Cor					LOCB-PT	
Manufactuer	ILIOI BOX	Model No.			Serial No.	
Rosemount		3051CD1A	22A1AB4K	5	1187845	
Instrument	х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading)	
		Input Sigr	al Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
-2	14	INH	120	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
	li li	nstrument	Condition	n as Found		
Calibration Point	Actual Input	Expected Output	Actual Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	-2	4	3.897	-0.644	3.990	-0.062
	2	8				0.002
25% 50%	6	12	7.952 11.947	-0.300 -0.331	8.000 12.010	0.000
75%	10	16	15.964	-0.331	16.110	0.687
100%	14	20	19.973	-0.225	20.003	0.019
100 /6	14		Comments		20.003	0.019
			3011111101110			
Transmitter n	needs to be re	elocated abo	ove tan.			
			, , o			
		Calibration	n Equipm	ent Used		
Calibrator	Desci	ription	Mc	odel No.	Instrument ID	NIST Cert. No.
Input Device	HAND PUN	ΛP	DWYER			
Output Device	Fluke Calib	rator	725		On File	On File
			Approvals	8		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	10/12	/2009	Overtone Sim			
PASS 3 Signature JOHN HO	ORTON		Customer Signa	ture		



1187845	3051CD1A22A1AB4K5	Rosemount 30
Serial No.	No.	Manufacturer Model No.
LOCB-PT		Light Oil Control Box
Tag No.		Application/Service
	¥	ABC Coke Plant
Contract/P.O. No.	Customer No.	Customer Name

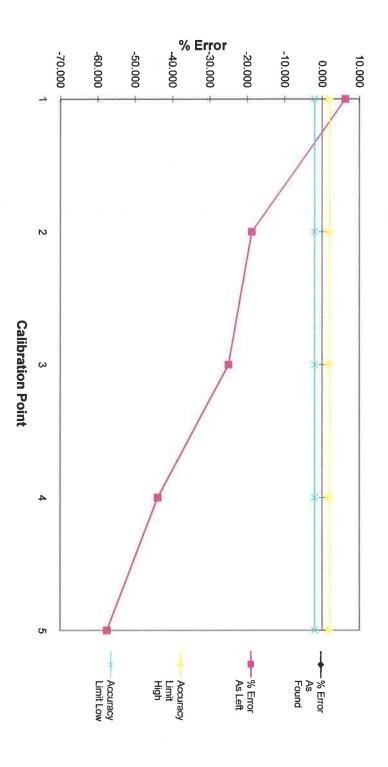




Customer Name					Contract/P.O. No.	
ABC Coke						
Application/Service					Tag No.	
Platform Cor	ntrol Box	Model No.			PCB-PT Serial No.	
Moore		341DBA5A	ARNINI313		23835	
	V	34100/3/	MDININGTO		23033	
Instrument	X					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading		
		Input Sigr	al Range	and Units		
Lo Range Value	Hi Range Value	l.		Characteristic	Special	
-2	14	INF	120	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
	ŀ	nstrument	Condition	n as Found		
		_	Actual			
Calibration	A atrial lamit	Expected	Output as	% Error As	Actual Output	0/ E A- Lft
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	-2.00	4.00	5.000	6.250	5.000	6.250
25%	2.00	8.00	5.000	-18.750	5.000	-18.750
50%	6.00	12.00	8.000	-25.000	8.000	-25.000
75%	10.00	16.00	8.970	-43.938	8.970	-43.938
100%	14.00	20.00	10.800	-57.500	10.800	-57.500
		(Comments	5		
	1)					
Need new t	ransmitter	. Need to	relocateti	ansmitter		
		Calibratio	n Equipm	ent Used		
Calibrator	Descr	rintion	Mc	odel No.	Instrument ID	NIST Cert. No.
		·		del No.	matrament 1D	MOT CEIL NO.
Input Device	HAND PUN		DWYER			0115115
Output Device	Fluke Calib		725		ON FILE	ON FILE
Heure	Data 187 5 6		Approvals		Insta D'	
Hours 1 O	Date Work Perfo		Accepted By		Date Signed	
1.0 PASS 3 Signature	10/12	12009	Customer Signa	ture		
JOHN HO	ORTON		Customor Orgila			
JOJEJY JEC	72(20)1					



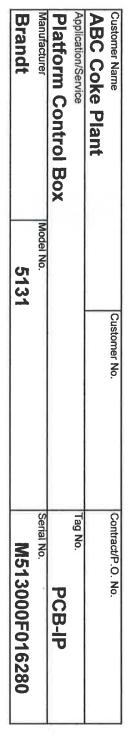
Customer Name Customer No.	Contract/P.O. No.
ABC Coke Plant	
Application/Service	Tag No.
Platform Control Box	PCB-PT
Manufacturer Model No.	Serial No.
Moore 341DBA5AABNN313	23835

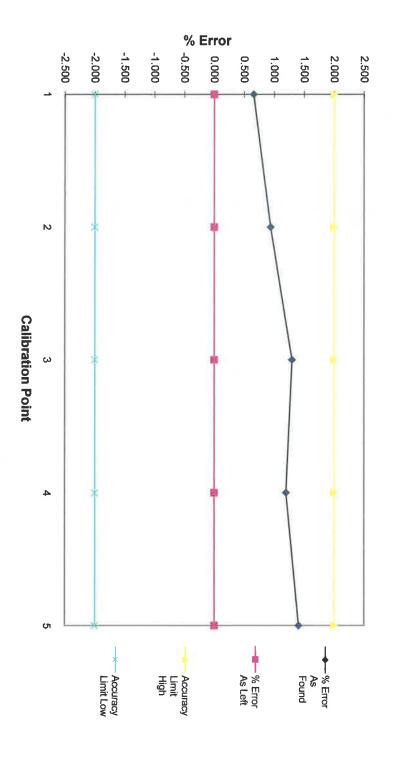




A DOO O	DI 1				Contract/P.O. No.	
ABC Coke					Tag No.	
Platform Coi					PCB-IP	
Manufactuer	ILIOI DUX	Model No.			Serial No.	
Brandt		5131			M513000F0	16280
Instrument	х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading	3	
		Input Sigr	al Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC .	Linear		
		Dutput Sig	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
3	15	PS	SIG	Linear		
		nstrument		n as Found		
Calibration		Eveneted	Actual	0/ 5 4-	A atrial Cutaint	
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4.00	3.00	3.079	0.658	3.000	0.000
25%	8.00	6.00	6.113	0.942	6.000	0.000
50%	12.00	9.00	9.156	1.300	9.000	0.000
75%	16.00	12.00	12.144	1.200	12.000	0.000
100%	20.00	15.00	15.169	1.408	15.000	0.000
	20.00		Comments			0.000
		Calibratio	n Equipm	ent Used		
0.17						
Calibrator	Descr			odel No.	Instrument ID	NIST Cert. No.
	Fluke Calib		725	700PD5	ON FILE	ON FILE
Output Device	Fluke Calib		725		ON FILE	ON FILE
Hours	Data Mark Darf-		Approvals		IDeta Signad	
Hours 1.0	Date Work Perfo	/2009	Accepted By		Date Signed	
PASS 3 Signature	10/12	12003	Customer Signat	ture		
JOHN HO	ORTON		2.3.2			1
5 -5 -5 1 5 1 6	-0-001					



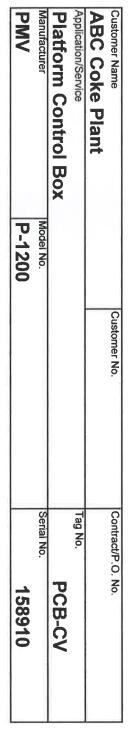


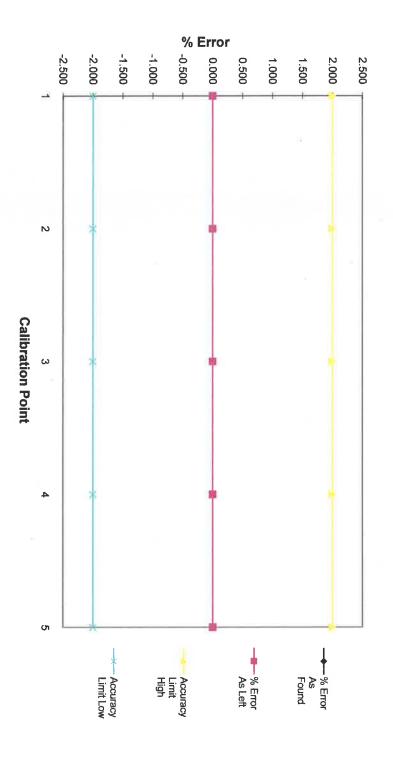




ABC Coke	Dlant			¥:	Contract/P.O. No.	
Application/Service					Tag No.	
Platform Cor	ntrol Box				PCB-CV	
Manufactuer		Model No.			Serial No.	
PMV		P-1200			158910	
Instrument	Х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Readin	g	
			nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
0	100	Per	cent	Linear		
		nstrument	Condition	n as Found		
0 - 111 41		F	Actual	0/ 5 4-	A - to - 1 O - t t	
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4.00	0.00	Tourid	T Odna	do Eoit	70 21101 710 2011
25%	8.00	25.00				
50%	12.00	50.00			-	
75%	16.00	75.00				
100%	20.00	100.00	3			
			Comments	5		
Note: contro	l valve is sp	an 0 to 20 j	percent			
needs new c	ontroller on	control val	ve			
		Calibration	n Equipm	ent Used		
Calibrator	Desci	ription	Mc	odel No.	Instrument ID	NIST Cert. No.
	Fluke Calib	·	725	700PD5	ON FILE	ON FILE
Output Device		rator	120	7001 20	ONTIEL	ONTILL
Output Device	LOOAL		Approvals	.		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0		/2009				
PASS 3 Signature			Customer Signa	ture	L	
JOHN HO	ORTON					



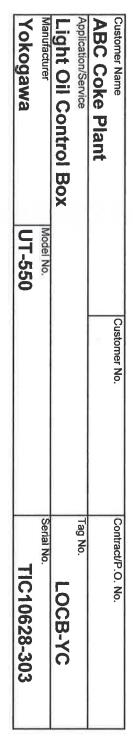


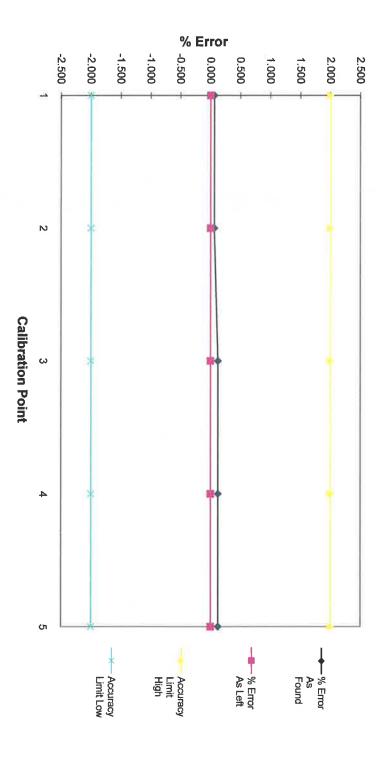




Customer Name					Contractir .C. No.	
ABC Coke						
Application/Service					Tag No.	
Light Oil Cor	ntrol Box	Model No.			LOCB-YC Serial No.	
Yokogawa		UT-550			TIC10628-3	03
Instrument		X				
	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Туре	Transmitter			✓ % of Span	Gauge	Theimometer
A course.		Plus	Minus	□ % of Span		
Accuracy		2.0	2.0		,	
Lo Range Value	Hi Range Value		nai Range	and Units Characteristic	Special	
			DC		Special	
4	20			Linear	l	
Lo Range Value	Hi Range Value		nai Range	e and Units Characteristic	Special	
-2	14		120	Linear	Оресіаі	
-2						
		nstrument		as Found		
Calibration		Expected	Actual Output as	% Error As	Actual Output	
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	4	-2	-1.99	0.063	-2.00	0.000
25%	8	2	2.01	0.062	2.00	0.000
50%	12	6	6.02	0.125	6.00	0.000
75%	16	10	10.02	0.125	10.00	0.000
100%	20	14	14.02	0.125	14.00	0.000
		(Comments	8		
					.,	
						3.
		Calibratio	n Equipm	ent Used		
Calibrator	Desc	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		On File	On File
Output Device	Local Displ	ay				
			Approvals	3		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	10/12	/2009				
PASS 3 Signature	nego a c		Customer Signa	ture		
JOHN HO)KTON					



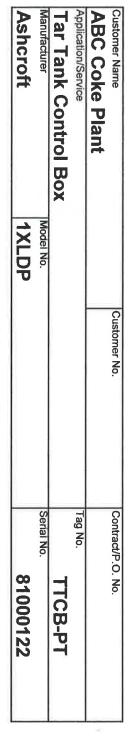


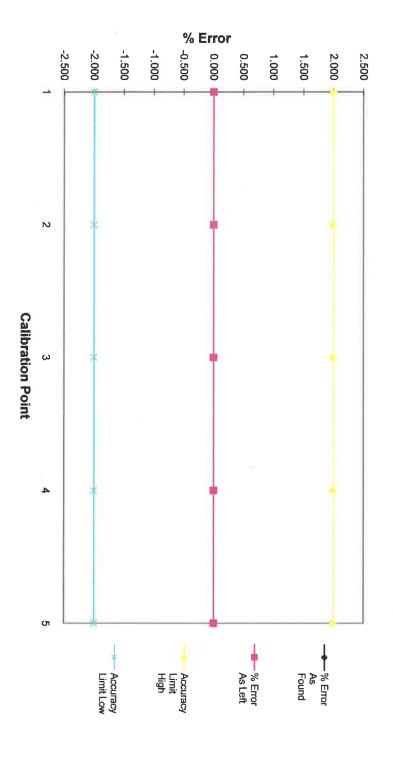




ABC Coke	Dlant				Contract/P.O. No.	
Application/Service					Tag No.	
Tar Tank Co					TTCB-PT	
Manufactuer		Model No.			Serial No.	
Ashcroft		1XLDP			81000122	
Instrument	Х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading	9	
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
-2	14	IN	H20	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value	[Characteristic	Special	
-2	14		120	Linear		
		nstrument		n as Found		
Calibration		Tunnata d	Actual	0/ 5 4-	A at . al . O ta t	
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	-2	4	, ound	1 00110	GO LON	70 20101 710 2010
25%	2	8				
50%	6	12				
75%	10	16				
100%	14	20	Commont			
10/:1143:1-	wata talal Ol		Comment			
Will not calib		nariie needs	to be repla	acea		
Reading 4 "	nign					
		Calibration	n Equipm	ent Used	r	·
Calibrator	Desc	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	HAND PU	ИP	DWYER			
Output Device	Fluke Calib	rator	725		On File	On File
			Approvals	;	· · · · · · · · · · · · · · · · · · ·	
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	10/12	/2009	01			
PASS 3 Signature	ገወሮጋልና		Customer Signa	ture		
JOHNHO	NKO TOK					



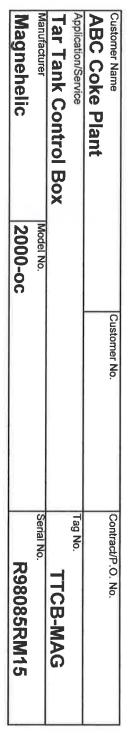


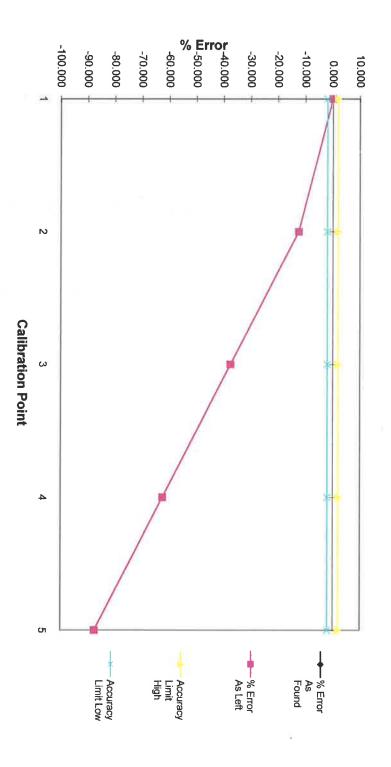




Customer Name					Contract/P.O. No.	
ABC Coke					TN-	
Application/Service					Tag No.	
Tar Tank Co	ntroi Box	IModel No.			TTCB-MAG Serial No.	
Magnehelic		2000-oc			R98085RM1	15
Instrument	х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading]	
		Input Sign	al Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
0.10	0.50	PS	SIG	Linear		
		Output Sig	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
0.10	0.50	PS	SIG	Linear		
	l	nstrument		n as Found		
Calibration		Expected	Actual Output as	% Error As	Actual Output	
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	0.10	0.10	0.10	0.000	0.10	0.000
25%	0.20	0.20	0.15	-12.500	0.15	-12.500
50%	0.30	0.30	0.15	-37.500	0.15	-37.500
75%	0.40	0.40	0.15	-62.500	0.15	-62.500
100%	0.50	0.50	0.15	-87.500	0.15	-87.500
		(Comments	8)R	
BAD NEE	D TO REI	PLACE				
		Calibratio	n Equipm	ent Used		
Calibrator	Dana	eintin n	N/a	odel No.	Instrument ID	NIST Cert. No.
		ription		dei No.		
Input Device	Fluke Calib	rator	725		On File	On File
Output Device	Local		Ļ		L	
Tr	Data Mada Dada		Approvals		Data Dispad	
Hours 1.0	Date Work Perfo	/2009	Accepted By		Date Signed	
PASS 3 Signature	10/12	12008	Customer Signa	ture		
JOHN HO	ORTON		J			
5 05 25 7 520	7 4 6 4 5 5 1					









Customer Name	.				Contract/P.O. No.	
ABC Coke				8	Too No	
Application/Service					Tag No.	
Tar Tank Co	ntroi Box	Model No.			TTCB-IP Serial No.	
Brandt		STD5131			M513000F-1	16278
Instrument	X	0.00.01			100000	
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
.,,,,,,	Transition.	Plus	Minus	☑ % of Span	090	
Accuracy		2.0	2.0	☐ % of Reading]	
		Input Sign	al Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
		Output Sig	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
3	15	PS	SIG	Linear		
		nstrument		n as Found		
0 " "			Actual	0/ = 4		
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	3	2.990	-0.083	2.990	-0.083
25%	8	6	5.990	-0.083		-0.083
					5.990	
50%	12	9	8.980	-0.167	8.980	-0.167
75%	16	12	11.990	-0.083	11.990	-0.083
100%	20	15	14.989 Comments	-0.092	14.980	-0.167
			Johnnens	5		
		0 11 11	<u> </u>			
-		Calibratic	n Equipm	ent Used		
Calibrator	Desci	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		On File	On File
Output Device	Fluke Calib	rator	725		On File	On File
			Approvals	3		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0 PASS 3 Signature	10/12	/2009	Ovetemas Cisus			
JOHN HO	ገወፐርነልና		Customer Signa	ture		
JUJIJY JI	N.C. C.J.V					



Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
Tar Tank Control Box		TTCB-IP
Manufacturer	Model No.	Serial No.
Brandt	STD5131	M513000F-16278

